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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Kazuaki Sugai

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EXAMINER

KE, PENG

ART UNIT

PAPER NUMBER

2174

MAIL DATE

DELIVERY MODE

02/25/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/863,071	<b>Applicant(s)</b> SUGAI, KAZUAKI	
	<b>Examiner</b> SIMON KE	<b>Art Unit</b> 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 31 October 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,2,5-9 and 13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,5-9 and 13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

This action is responsive to communications: Amendment, filed on 10/31/07.

Claims 1, 2, 5-9, and 13 are pending in this application. Claims 1, 5, 9, and 13 are the independent claims. In the amendment, claims 1, 2, 5-9 and 13 were amended and claims 3-4, 10-12, and 14- 36 were cancelled.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 5, 6, 8, and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ramirez Diaz US Patent 6,476,858 further in view Bormann US Patent 6,664,985.

As per claim 5, Ramirez Diaz teaches a multi-window display control apparatus capable of connecting to a video device, the apparatus comprising:

A display control unit that controls a display device to display a plurality of windows including a plurality of video windows (figure 3, item 140) and an operation panel window that is separate and discrete from the video window, (figure 1, items 101-102) at least one of the plurality of the video windows displaying an image based on image data output from the video, and the operation panel window displaying an operation panel for controlling the video device; (figure 1, items 101 and 102)

A selecting unit that selects one of the video windows;

A control unit that controls said display control unit to change a size and a display and a display position of the operation panel window corresponding to the selected one of the video windows in accordance with a changing of a size of the selected one of the video windows. (figure. 4, column 2, lines 50-70, column 7, lines 20-35)

However, it fails to teach a main window and a plurality of subsidiary video windows having different window sizes.

Bormann teaches a main window and a plurality of subsidiary video windows having different window sizes. (see Bormann, col. 15-52)

It would have been obvious to an artisan at the time of the invention to include Bormann's (6,664,985) teaching with apparatus of Ramirez Diaz in order allow user to operate on the main window while is still able to monitor secondary activities. (see Bormann; col. 6, lines 20-60)

As per claim 6, Ramirez Diaz and Bormann teach a multi-window display control apparatus as claimed in claim 5. Ramirez Diaz further teaches said control unit controls said display control unit to change sizes of operating buttons included in the operating panel window in accordance with the changing of the size of the selected one of the video windows. (Figure 4, The operating buttons of the two left windows are larger than the operating buttons of the 8 right windows)

As per claim 8, Ramirez Diaz and Bormann teaches a multi-window display control apparatus as claimed in claim 5, wherein said control unit controls said display control unit to change display position and sizes of all of the video windows and the operation panel window

that are being displayed, in accordance with the changing of the size of the selected one of the video windows. (column 7, lines 5-35)

As per claim 13, it is rejected with the same rationale claim 5. Supra.

Claims 1, 2, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ramirez Diaz US Patent 6,476,858 in view of Martinez US Patent 6,111,575 further in view of Cecco et al. US Patent 6,310,631 further in view Bormann US Patent 6,664,985.

As per claim 1, Ramirez Diaz teaches a multi-window display control apparatus comprising:

A display control unit that controls a display device to display a plurality of windows in a display screen of the display device; (figure 3, item 140; figure 1, items 101 and 102)

A selecting unit that selects one of the windows; (figure 2, item 103)

A control unit that responses to the selection of a window by said selecting unit, for controlling said display control unit to change a size of each of the windows based on the selection information. (figure. 4, column 2, lines 50-70, column 7, lines 20-35)

However, Ramirez Diaz fails to teach a storage that stores selection history information for each of the windows selected by said selecting unit;

Martinez teaches a storage that stores selection history information for each of the windows selected by said selecting unit; (see Martinez, column 8, lines 30-60; User's interaction with the application is selection history.)

It would have been obvious to an artisan at the time of the invention to include Martinez's teaching with method of Ramirez Diaz in order to allow a user to perform multiple levels of undo and redo at a time.

However, they fail to teach a control step of changing the size of each of the windows with the number of the windows kept.

Cecco teaches a control step of changing a size of each of the windows with the number of the windows kept.

It would have been obvious to an artisan at the time of the invention to include Cecco's teaching with method of Ramirez Diaz and Martinez in order to allow user to control the size and the number of panes in a window on a display screen.

However, it fails to teach a main window and a plurality of subsidiary video windows having different window sizes.

Bormann teaches a main window and a plurality of subsidiary video windows having different window sizes. (see Bormann, col. 15-52)

It would have been obvious to an artisan at the time of the invention to include Bormann's (6,664,985) teaching with apparatus of Ramirez Diaz, Martinez, and Cecco in order allow user to operate on the main window while is still able to monitor secondary activities. (see Bormann; col. 6, lines 20-60)

As per claim 2, Ramirez Diaz, Martinez, Cecco, and Bormann teach the method of claim 35. Ramirez Diaz further teaches wherein said control unit determines display position and sizes of the video window and the operation panel window such that all of windows do not overlap with each other. (column 2, lines 50-70, column 7, lines 5-35)

As per claim 9, it is rejected with the same rationale claim 1. Supra

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ramirez Diaz US Patent US 6,476,858 further in view Bormann US Patent 6,664,985 in view of Ishida US Patent 5,684,969.

As per claim 7, Ramirez Diaz, and Bormann teach a multi-window system as claimed in claim 5. However Ramirez Diaz fails to teach wherein said control unit controls said display control unit to change numbers of operating buttons included in the operation panel windows in accordance with the changing of the size of the selected one of the video windows.

Ishida teaches wherein control unit controls display control unit to change numbers of operating buttons included in the operation panel windows in accordance with the changing of the size of the selected one of the video windows. (column 8, lines 26-64)

It would have been obvious to an artisan at the time of the invention to include Ishida's teaching with method of Ramirez Diaz in order display all the general information in a single display.

### ***Response to Argument***

Applicant's arguments with respect to claims 1, 2, 5-9, and 13 have been considered but are deemed to be moot in view of the new grounds of rejection.

### ***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SIMON KE whose telephone number is (571)272-4062. The examiner can normally be reached on M-Th and Alternate Fridays 8:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Peng Ke

/Peng Ke/  
Examiner, Art Unit 2174